

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an information processing section for associating the information acquired by the information acquiring section with acquisition condition information concerning the conditions for making the information acquiring section execute an information acquiring operation to acquire the information in accordance with the type of the information, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired;

an acquisition possibility determining section for determining, based on the acquisition condition information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 2. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information including acquisition condition

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

information concerning the conditions for executing an acquiring operation to acquire the information in accordance with the type of the information, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired ;

an acquisition possibility determining section for determining, based on the acquisition condition information of the acquired information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 3. (Original): The information acquisition control unit according to claim 1 further comprising:

an input section for setting and inputting an acquisition demand information for demanding execution of the acquiring operation in response to an input operation, wherein said control section provides controls for inhibiting the execution of the acquiring operation, when it is determined by the control section that the acquiring operation cannot be executed by the acquisition possibility determining section, even if the control section recognizes an input for setting the acquisition demand information in the input section.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 4. (Original): The information acquisition control unit according to claim 2 further comprising:

an input section for setting and inputting an acquisition demand information for demanding execution of the acquiring operation in response to an input operation, wherein said control section provides controls for inhibiting the execution of the acquiring operation, when it is determined by the control section that the acquiring operation cannot be executed by the acquisition possibility determining section, even if the control section recognizes an input for setting the acquisition demand information in the input section.

Claim 5. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an input section for setting and inputting an acquisition demand information concerning a demand for an acquiring operation to acquire the information by the information acquisition section in accordance with the type of the information in response to an input operation, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired;

an acquisition possibility determining section for determining whether or not the information demanded from the acquisition demand information and the information acquired by the information acquiring section are identical to each other, and for determining, when the two pieces of information are not identical to each other, that the acquiring operation can be executed; and

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 6. (Previously Presented): The information acquisition control unit according to claim 1, wherein said acquisition condition information relates to the conditions for executing the acquiring operation at a timing when information not identical to information previously acquired can be acquired.

Claim 7. (Previously Presented): The information acquisition control unit according to claim 2, wherein said acquisition condition information relates to the conditions for executing the acquiring operation at a timing when information not identical to information previously acquired can be acquired.

Claim 8. (Previously Presented): The information acquisition control unit according to claim 6, wherein the acquisition condition information is time information concerning time; and said acquisition possibility determining section determines that an acquiring operation can be executed when it recognizes, by comparing time information concerning the current point of time to said acquisition condition information, that the current point of time has reached a time indicated by the acquisition condition information.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 9. (Previously Presented): The information acquisition control unit according to claim 7, wherein the acquisition condition information is time information concerning time; and said acquisition possibility determining section determines that an acquiring operation can be executed when it recognizes, by comparing time information concerning the current point of time to said acquisition condition information, that the current point of time has reached a time indicated by the acquisition condition information.

Claim 10. (Previously Presented): The information acquisition control unit according to claim 5 further comprising:

an input section for setting and inputting an acquisition demand information to demand an acquiring operation to make the information acquisition section acquire information with a specified content in response to an input operation, wherein an acquisition condition information is content information concerning a content of said information; and the acquisition possibility determining section determines that the acquiring operation can be executed when it is determined by comparing contents of an acquisition demand information set and inputted in the input section to those of said acquisition condition information that the two pieces of information are not identical to each other.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 11. (Original): The information acquisition control unit according to claim 1, wherein the information acquiring section acquires information through communications.

Claim 12. (Original): The information acquisition control unit according to claim 2, wherein the information acquiring section acquires information through communications.

Claim 13. (Original): The information acquisition control unit according to claim 5, wherein the information acquiring section acquires information through communications.

Claim 14. (Previously Presented): The information acquisition control unit according to claim 1 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

Claim 15. (Previously Presented): The information acquisition control unit according to claim 2 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 16. (Previously Presented): The information acquisition control unit according to claim 5 further comprising:

a guidance reporting section for reporting a guidance in response to the moving state of a movable body, wherein said information, acquired by said information acquiring section, is information concerning movement of the movable body.

Claim 17. (Previously Presented): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable information; and

the information acquisition control unit according to claim 1 connected thereto so that the updatable information stored in this information storing section can be acquired by said information acquiring section.

Claim 18. (Previously Presented): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable information; and

the information acquisition control unit according to claim 2 connected thereto so that the updatable information stored in this information storing section can be acquired by said information acquiring section.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 19. (Previously Presented): An information acquisition control system comprising:
an information storing section for distributably storing therein different types of updatable
information; and

the information acquisition control unit according to claim 5 connected thereto so that the
updatable information stored in this information storing section can be acquired by said information
acquiring section.

Claim 20. (Currently Amended): A method of controlling information acquisition for
controlling information acquisition with a computing section, the computing section operation
comprising the steps of:

associating acquired information with acquisition condition information concerning the
conditions for executing an acquiring operation to acquire information in accordance with the type
of the information, the frequency of executing the information acquiring operation being dependent
on the type of the information that is acquired;

determining, based on the acquisition condition information associated with this information,
whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined
that this acquiring operation can be executed.

Claim 21. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

determining, based on the acquisition condition information in the information acquired in advance and including acquisition condition information concerning the conditions for executing an acquiring operation to acquire information in accordance with the type of the information, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired; and

executing the acquiring operation to separately acquire the information when it is determined that this acquiring operation can be executed.

Claim 22. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

recognizing an input for setting an acquisition demand information concerning a demand for an acquiring operation to acquire information in accordance with the type of the information in response to an input operation, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired; and

executing the acquiring operation to separately acquire information when it is determined by means of comparison that information demanded from the acquisition demand information and the acquired information are not identical to each other.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 23. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 20.

Claim 24. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 21.

Claim 25. (Original): An information acquisition control program for making a computing section execute the information acquisition control method according to claims 22.

Claim 26. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 23 is recorded therein so that the program can be read by a computing section.

Claim 27. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 24 is recorded so that the program can be read by a computing section.

Claim 28. (Original): A recording medium with an information acquisition control program recorded therein, wherein the information acquisition control program according to claim 25 is

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

recorded so that the program can be read by a computing section.

Claim 29. (Original): A navigation system comprising:

an information acquisition control system according to claim 17 with the information storing section storing therein information concerning movement of a movable body as information;

a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and

a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of a movable body based on this acquired information.

Claim 30. (Previously Presented): A navigation system comprising:

an information acquisition control system according to claim 18 with the information storing section storing therein information concerning movement of a movable body as information;

a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and

a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

a movable body based on this acquired information.

Claim 31. (Original): A navigation system comprising:

an information acquisition control system according to claim 19 with the information storing section storing therein information concerning movement of a movable body as information;

a movable body information acquiring section provided in the information acquisition control unit of this information acquisition system for acquiring information concerning the state of movement of a movable body; and

a guidance reporting section provided in the information acquisition control unit for reporting at least either one of the acquired information and a guidance corresponding to the moving state of a movable body based on this acquired information.

Claim 32. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information;

an information processing section for associating the information acquired by the information acquiring section with acquisition condition information concerning the conditions for making the information acquiring section execute an information acquiring operation to acquire the information, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired;

a time acquiring section for acquiring a current time information;

an acquisition possibility determining section for determining, based on the acquisition condition information and the current time information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 33. (Currently Amended): An information acquisition control unit comprising:

an information acquiring section for acquiring information including acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired;

a time acquiring section for acquiring a current time information;

an acquisition possibility determining section for determining, based on the acquisition condition information of the acquired information and the current time information, whether or not the acquiring operation can be executed; and

a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 34. (Currently Amended): An information acquisition control unit comprising:

- a time acquiring section for acquiring a current time information;
- an information acquiring section for acquiring information, the frequency of acquiring the information being dependent on the type of the information that is acquired;
- an input section for setting and inputting an acquisition demand information based on the current time information concerning a demand for an acquiring operation to acquire the information by the information acquisition section in response to an input operation;
- an acquisition possibility determining section for determining whether or not the information demanded from the acquisition demand information and the information acquired by the information acquiring section are identical to each other, and for determining, when the two pieces of information are not identical to each other, that the acquiring operation can be executed; and
- a control section for controlling the information acquiring section, when it is determined by the acquisition possibility determining section that the acquiring operation can be executed, to execute the acquiring operation.

Claim 35. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, wherein the computing section operation comprising the steps of:

- associating acquired information with acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information;

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

acquiring a current time information;

determining, based on the acquisition condition information associated with this information and the current time information, whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined that the acquiring operation can be executed, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired.

Claim 36. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

acquiring a current time information;

determining, based on the acquisition condition information in the information acquired in advance and including acquisition condition information concerning the conditions for executing an acquiring operation to acquire the information and the current time information, whether or not the acquiring operation can be executed; and

executing the acquiring operation to separately acquire the information when it is determined that this acquiring operation to can be executed, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired.

U.S. Patent Application Serial No. 10/670,386
Amendment filed September 20, 2005
Reply to OA dated June 20, 2005

Claim 37. (Currently Amended): A method of controlling information acquisition for controlling information acquisition with a computing section, comprising the steps of:

acquiring a current time information;

recognizing an input for setting an acquisition demand information based on the current time information concerning a demand for an acquiring operation to acquire information in response to the input operation; and

executing the acquiring operation to separately acquire information when it is determined by means of comparison that the information demanded from the acquisition demand information and the acquired information are not identical to each other, the frequency of executing the information acquiring operation being dependent on the type of the information that is acquired.